

16-6580

S/103/63/024/002/016/020,
D201/D308AUTHORS: Bendrikov, G.A. and Teodorchik, K.F. (Moscow)

TITLE: A simplified method for plotting root loci

PERIODICAL: Avtomatika i telemekhanika, v. 24, no. 2, 1963,
268-270

TEXT: The analytical method developed earlier by the authors for plotting the root loci of a linear equation, depending on one variable parameter only (Avtomatika i telemekhanika, v. 20, no. 3, 1959) can be simplified in the case of a low-order equation if the original equation contains explicitly the initial and final points of the loci. The method proposed in the present article, is based on the following properties of the loci: 1) the family of loci is determined uniquely by the relative position of their initial and final points, 2) the shifting of the imaginary axis does not affect the form of the root locus. It must be found at which frequencies the root loci intersect the imaginary axis of the complex

✓B

Card 1/2

A simplified method ...

S/103/63/024/002/016/020
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plane. The method is used to analyze the performance of a regenerative phase-shift filter. There are 2 figures.

SUBMITTED: June 5, 1962

LB

Card 2/2

L 10092-66 EWT(d)/EWA(m)-2 IJP(c)

ACC NR: AP5020242

SOURCE CODE: UR/0188/65/000/004/0073/0077

AUTHOR: Teodorovich, K. F. *44, 55*

ORG: Department of Physics of Oscillation (Kafedra fiziki kolebaniy) *34 B*

TITLE: *10, 11, 55* Stability limits of linear system resulting from the regularity of the movement of the roots along the trajectory and their relation to Hurwitz stability criteria

SOURCE: Moscow, Universitet. Vestnik. Seriya 3. Fizika, astronomiya, no. 4, 1965, 73-77

TOPIC TAGS: stability constant, characteristic function, polynomial equation, mathematic determinant, complex function

ABSTRACT: The stability of n -degree polynomials was solved in several different forms by Hurwitz and others. The Hurwitz conditions, however, are inconvenient for actual computation. From the definition of stability all the roots of the characteristic equation (the equation of free motion) must have negative real roots (i. e., lie on the left hand side of the imaginary axis in the complex plane). But for degrees higher than three it is difficult to solve for the roots. An algorithm is presented that, given the stability of the equation of n -degree, one finds the significant limits of a free term which relates the n -degree equation to one of $n + 1$ degree, i.e.,

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UDC: 62-502.12

L 10092-66

ACC NR: AP5020242

side of which it remains steady. This is done by adding the free term K to the n -degree polynomial. The lower and upper bounds of K for loss of stability are then considered in terms of the complex conjugate roots. Then the free term is increased until the least positive root is obtained. The bounds are further computed in terms of determinants for K and the roots. These are given in several inequalities. Since the method given for determining the limits of stability allows for transition from n to $n + 1$ degree by using Sylvester's rule for composition of determinants, the preceding can be used for arbitrary n satisfying Hurwitz criteria. Orig. art. has: 25 formulas.

SUB CODE: 12/

SUBM DATE: 11May64/

ORIG REF: 003/

OTH REF: 000

HW
Card 2/2

HENDRIKOV, G.A.; TEODORCHIK, K.F.

Types of motion in tracking systems with amplidyne. Vest. Mosk.
un. Ser. 3: Fiz., astron. 16 no.6:38-46 N-D '61. (MIRA 14:12)

1. Kafedra teorii kolebaniy Moskovskogo universiteta.
(Automatic control)
(Amplifiers (Electronics))

BENDRIKOV, G.A. (Moskva); TEODORCHIK, K.F. (Moskva)

Use of a root loci method in the analysis of multicircuit
linear systems. Izv. AN SSSR. Otd. tekhn. nauk. Energ.
i avtom. no.5:71-76 S-O '62. (MIRA 15:11)
(Automatic control)

RUMANIA/Farm Animals. Domestic Birds

2-5

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 50087

Author : Teodoreanu N.

Inst :

Title : Interspecies Hybrids of Domestic Ducks

Orig Pub : Probl. zootehn. si veterin., 1956, No 8, 47-49

Abstract : Hybrids produced by crossbreeding of common gray ducks with Polish ducks (*Anas boschas* and *A. moschas*) are described. The hybrids do not resemble either of their parent breeds and can not be considered as intermediate forms. They develop faster (crossbreed vigor). Males as well as females are sterile.--M.A. Bernsteyn

Card : 1/1

TEODOREANU, N.

New research on crossbreeding between Rambouillet merino sheep and blackheaded
Zigais sheep. p. 5

REVUE DE BIOLOGIE, JOURNAL OF BIOLOGY. (Academia Republicii Populare Romine)
Bucuresti.

Vol. 1, No. 1, 1956

SOURCE: East European List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

Card 1/1

RUFANIA / Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105619.

Author : Teodoreanu, N.

Inst : Not given.

Title : Aspects of Animal Husbandry in the Hungarian
People's Republic.

Orig Pub: Probl. zootechn. si veterin., 1957, No 12, 94-98.

Abstract: No abstract.

RUMANIA / Farm Animals. Small Horned Stock.

2-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54775.

Author : Teodoreanu N., Stefanescu C., Hustiu C.

Inst : Not given.

Title : An Outline of the Zootechnical and Regional Map
of the Rumanian Breeds of Sheep.

Orig Pub: Bul. stiint. Acad. RPR. Sec. biol. si stiinte
agric. Ser. agron., 1957, 9, No 1, 51-69.

Abstract: The quantity of precipitation in a year in different districts of Rumania was taken as a basis for the regional division of the breeds of sheep as follows: for fine-wool sheep - 600 mm., for semi-fine-wool sheep - 800 mm., for coarse-wool-sheep - over 800 mm., for Karakul sheep - 540 mm., and for Karakul hybrids - 500-550 mm. The districts where various breeds of sheep are being raised are indicated.

Card 1/1

TEODOREANU, N., AND OTHERS

Investigations of raising the vitality of gray lambs. Note VI. Comparative study made upon the intensity of respiratory exchanges and upon the value of energetic metabolism for gray lambs. In English. p. 145.

REVUE DE BIOLOGIE. JOURNAL OF BIOLOGY. (Academia Republicii Populare Romine) Bucuresti, Rumania. Vol. 3, no. 1, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

TEODOREANU, N.; DERLOGEA, V.; DUICA, S.

Researches on the wool and histological structures of the skin of back-cross sheep derived from tzigaina tzurcana. In English. p. 155.

REVUE DE BIOLOGIE. JOURNAL OF BIOLOGY. (Academia Republicii Populare Romine)
Bucuresti, Rumania. Vol. 3, no. 1, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

TEODOREANU, N., AND OTHERS.

Study on the increase of viability of gray lambs. A comparative study of the appearance of incisors, of the completion of milk teeth, and of gray and black lamb issues of gray ewes. p. 851.

COMUNICARILE. Bucuresti, Rumani, Vol. 8, no. 8, Aug. 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

TEODOREANU, N.;RUSU, S.

Contribution to the study of the fertility and prolificness of the Palas mountain sheep. p. 159.

STUDII SI CERCETARI DE BIOLOGIE. SERIA BIOLOGIE ANIMALA. Bucuresti. Vol. 11, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.
Uncl.

TEODORYANU, N. [Teodoreanu, N.]; BURLAKU, G. [Burlacu, G.];
OPRESKU, St. [Oprescu, St.]

The embryonic and postembryonic metabolism in the Rhode Island
and Leghorn chicks and crossbreeds in connection with the
heterosis phenomenon. Rev biol 6 no.4:449-466 '61.

1. Chlen-korr. Akademii RNR (for Teodoreanu).

TEODOREANU, N.; MICLE, S.; DUICA, S.; GIUREA, V.

Research on the histological modifications of the endocrine glands of gray albinic lambs. Studii cerc biol anim 13 no.1: 111-132 '61. (KEAI 10:7)

1. Membru corespondent al Academiei R.P.R.(for Teodoreanu)
(SHEEP) (GLANDS, DUCTLESS)

TEODOREANU, N.; DUICA, S.; MICLE, S.

Genetic methods of the evaluation of sires based on the progeny of the ovine species. Studii cerc biol anim 13 no.2:155-171 '61.

1. Membru corespondent al Academiei R.P.R. (for Teodoreanu).

(SHEEP BREEDING) (GENETICS)

TEODOREANU, N.; MIHAILESCU, M.; DUICA, S.

Heredity of histological characteristics of thyroid gland in
Leghorn and Rhode Island hens and their crossbreds (F_1). Studii
cerc biol anim 14 no.4:461-472 '62.

1. Membru corespondent al Academiei R.P.R. si membru al Comite-
tului de redactie, "Studii si cercetari de biologie, Seria
biologie animala" (for Teodoreanu).

TEODOREANU, N., prof. dr., laureat al Premiului de Stat al Republicii
Populare Române; TIMARU, S., dr., laureat al Premiului de Stat
al Republicii Populare Române

The Palas merino. Natura Biologie 16 no. 1:39-47 Ja-F '64.

1. Membru corespondent al Academiei R.P.R. (for Teodoreanu).

TEODOREANU, T.

ILIESCU, G.C.; TEODOREANU, T.

Clinical aspects and therapeutic indications in constrictive pericarditis.
Med. int., Bucur. 9 no.8:1176-1182 Aug 57.

1. Lucrare efectuata in Clinica medicala I.M.F. a Spitalului "Barnath
Andrei".

(PERICARDITIS
constrictive, clin. aspects & ther. indic.)

TEODORYANU, T. [Teodoreanu, T.]; LOZANU, K. [Lozani, K.]; AFILIPOAYEY, Ye.
[Afiliipoi, E.], Tekhn. red.

[Adhesive pericarditis; constrictive cardiopathy, sclerogenic
serositis] Slipchivyi perikardit. Konstrikativnye kardiopatii,
sklerogennye serity. Bucharest, Med.izd-vo, 1961. 301 p.
(MIRA 16:1)

(PERICARDITIS)

TEORDORESCU, P., prof.; TEODOREANU, T., dr.; SAVULESCU, V., dr.; ANDRONACHE, I.,
dr.; CIOACA, F., dr.

The clinical study and methodological aspects of the sequelae of
epidemic hepatitis in a community. Med. intern. 15 no.3:287-293
Mr '63.

1. Lucrare efectuata in Clinica medicala a Spitalului "Bernat Andrei"
(director: prof. P. Teodorescu).
(HEPATITIS, INFECTIOUS) (DIAGNOSIS)

WALSH, W. Dr.; THORNTON, W. Dr.

Pulmonary candidiasis in patients with mitral regurgitation.
Med. Intern. (Tokyo) 26 no.9:1129-1135 S 1984.

1. Acute effects of in hospital acquired candidiasis.

TEODORESCU, A. ; PANAITESCU, A.

TEODORESCU, A. ; PANAITESCU, A. Use of natural conventional units for planning and statistical reporting in prospecting and exploratory boring. p. 549.

Lightning rod for protection of lines and low-tension installations (5000 - 1,000 V) in oil fields. p. 556.

Special milling machine for rotary slips and mirrors in ventilator vanes. p. 557.

Vol. 6, no. 11, Nov. 1955
RUMANIAN-SOVIET friendship
BUCURESTI, Rumania

So: Eastern European Accession Vol. 5 No. 4 April 1956

TEODORESCU, A.

The cyaniding of tools during the hardening process. Metallurgy and
Machine Construction, #3:16:Mar. 55

TEODORESCU, A.

Cold treatment and possibilities of its application in our industry. p. 76.
METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industrial Metalurgice si
Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Tehnicilelor)
Bucuresti.
Vol. 7, no. 11, Nov. 1955.

SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 5, No. 11, November, 1956.

TEODORESCU, A.

Exploration of layers of hydrocarbons by geochemical methods. p. 113.

PETROL SI GAZE

Vol. 7, no. 3, Mar. 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

Teodorescu, A.

TEODORESCU, A.

TEODORESCU, A. The sulfate treatment. p. 77.

Vol. 8, no. 10, Oct. 1956
METALURGIA SI CONSTRUCTIA DE MASINI.
TECHNOLOGY
ROMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

TEODORESCOU, A.

TEODORESCOU, A. Fulfillment of the plan for delivery on time should be respected by all enterprises. p. 3.

Vol. 8, no. 350, Sept. 1956
CONSTRUCTORUL
TECHNOLOGY
Rumania

So: East European Accession, Vol. 6, No. 5, May 1957

TEODORESCU, A.

Materials and thermal treatment used for high-precision pieces of injection valves in motors with heavy fuel. p. 25.
(METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 9, no. 6, June 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957
Uncl.

TEODORESCU, A.

TECHNOLOGY

PERIODICAL: METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 10, no. 10, Oct. 1958

TEODORESCU, A. Materials used for cylindrical helicoidal springs with special strains. p. 849.

Obtention of liquid steel in a converter with lateral insufflation of air.
p. 856.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 4.
April 1959, Unclass

L 33135-66 T/EWP(t)/ETI IJP(c) JD

ACC NRI AP6024574

SOURCE CODE: RU/0017/65/000/003/0146/0148

AUTHOR: Teodorescu, Al. (Engineer)

28
B

ORG: Mechanical Works, Sinaia (Uzinele Mecanice)

TITLE: Technical and economic aspects concerning the utilization of controlled atmospheres in thermic treatment

SOURCE: Metalurgia, no. 3, 1965, 146-148

TOPIC TAGS: metal heat treatment, metallurgy

ABSTRACT: A technical-economic discussion of some features of thermic treatments leads the author to recommend the use of endothermic-type devices with controlled temperatures in preference to those of the carousel type with salt baths. Orig. art. has: 4 figures. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 13 / SUBM DATE: none

LS
Card 1/1

UDC: 621.785

0915 3207

~~L 33320-66~~ ~~T/EWP(t)/ETI~~ ~~IJP(c)~~ ~~3D~~
ACC NR: AP6024625

SOURCE CODE: RU/0017/65/000/006/0311/0313

AUTHOR: Teodorescu, A. (Engineer)

ORG: Mechanical Works, Sinaia (Uzina mecanica)

TITLE: Defects after thermic treatment in controlled atmospheres

SOURCE: Metalurgia, no. 6, 1965, 311-313

TOPIC TAGS: metal heat treatment, metallurgy

ABSTRACT: A survey of the principal types of defect that may appear in pieces that have been thermically treated in controlled atmospheres and of their causes. Such defects may be due to the presence of oxide or other harmful substances before the treatment, to improper composition of the atmosphere, or to contamination. Orig. art. has: 6 figures. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 13 / SUEN DATE: none

Card 1/1 ULR

UDC: 621.785.18

0915

2259

GEORMANEANU, D., dr.; TEODORESCU, A., dr.; DOBRESCU, D.

Considerations on a case of typical nephrocalcinosis. Med. intern.
14 no.12:1515-1517 D '62.

1. Lucrare efectuata in Policlinica de adulti, Craiova.
(NEPHROCALCINOSIS)

TEODORESCU, A., dr.; OBREJA, S., dr.; GRIGORESCU, Gh., dr.

Some aspects and considerations o. otorhinolaryngological neoplasms treated at Hospital No.1, Craiova (Otorhinolaryngological Section, during the period 1953-1963). Otorinolaringologie (Bucur.) 9 no.4:315-320 C-D '64

TEODORESCU, ALEXANDRU

Organizarea si planificarea lucrarilor geologice.

Bucuresti, Rumania. Editura Tehnica, 1958, 351 p.

Monthly List of East European Accession (EEAI), LC. Vol. 8, No. 9 September,
1969. Uncl.

TEODORESCU, Alexandru, ing.; BADESCU Linto, ing.

Use of weak limestone in constructing road foundation
by ra. Rev transport 11 no.7:297-301 .1 '64.

UNGURYANU, Ye., prof. [Ungureanu, Er.]; TEODORESKU, K. [Teodorescu, A.];
GEORGIU, T. [Gheorghiu, T.]

Observations on the sensitivity of *Culex pipiens molestus* to
DDT in the Rumanian People's Republic. Med.paraz. i paraz.bol.
33 no.3:338-342 My-Je '64. (MIRA 18:2)

1. Institut gigiyeny i narodnogo zdravookhraneniya (dir. - doktor
Ye. Unguryanu, [Ungureanu, Er.]) Yassy, Rumynskaya Narodnaya
Respublika.

ABSTRACT: (Author's English summary modified): The author describes the implementation

CONSTANTINESCU, S.; TEODORESCU, B.; SANIELEVICI-MARINOV, S.; CUNESCU, V.; IACOB, A.; SCHMITZER, G.; VULCANESCU, M.; MARINOV, M.; VASILESCU, C.; LICHTENBERG, R.; BARGAN, F.; BANESCU, E.; BERNSTEIN, D.

Mass clinical and radiological detection (by radiophotography) of carditis in school-age children. Probl. reumat., Bucur. no.5:79-82 1958.

(RHEUMATIC HEART DISEASE, prevention & control
in school-aged child. in Rumania, clin. & radiol. diag.)

ZAMFIR, C.; TURCU, E.; TEODORESCU, C.

Notes on Wolff-Parkinson-White syndrome of prolonged duration. Med. int. Bucur. 10 no.5:739-746 May 58.

1. Incrare efectuata in Spitalul militar central, Bucuresti, Serviciul medical I.

(HEART BLOCK, case reports

Wolff-Parkinson-White synd. of long duration)

ZAMFIR, C.; TURCU, E.; TEODORSCU, G.; SERGIU, V.

Considerations on total auriculo-ventricular block of congenital nature. Probl. car., Bucur. 4:53-62 '59.
(HEART BLOCK, case reports)

ZAMDIR, C.; TURCU, E.; TEODORSCU, C.

On the prolonged form of the Wolf-Parkinson-White syndrome. Rumanian
M. Rev. 3 no.1:29-31 Jan-Mar 59.
(HEART BLOCK, case reports
Wolff-Parkinson-White synd., prolonged form)

ZAMFIR, C.; GURAU, C.; TURCU, M.; ~~TEODORESCU, C.~~; PAUN, C.

Considerations on 2 cases of right-sided aortic arch. Probl.
card. 4:111-125 '59.
(AORTA, abnormalities)

ZAMFIR,C.,dr.; TURCU,E.,dr.; ~~TEODOR~~ODORSCU,C.,dr.; BITA,A.,dr.

Considerations on reversible branch blocks. Med. intern.,Bacur.
11 no.12:1851-1857 '59.

1. Incrare efectuata in Sectia I de boli interne din Spitalul
militar central, Bucuresti.
(HEART BLOCK case reports)

ZAMFIR, C., general dr.; BOGDAN, M., medic emerit, dr.; TEODORESCU, C.,
dr.

Considerations on a case of allergic phlebitis and neuritis after
antitetanus serotherapy. Med. intern., Bucur 13 no.4:599-602 Ap
'61.

1. Lucrare efectuata in Sectia I boli interne din S.M.C.
(PHLEBITIS etiology) (NEURITIS etiology)
(TETANUS immunology) (ALLERGY case reports)

ZAMFIR, C., dr.; TURCU, E., dr.; TEODORUSCU, C., dr.; STATE, E., dr.

Significance of coronary sinus rhythm. Med. intern, 14 no.8:917-925 Ag '62.

1. Lucrare efectuata in Sectia de boli interne a Spitalului militar central, Bucuresti.

(ARRHYTHMIA, SINUS)

"APPROVED FOR RELEASE: 07/16/2001

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APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755310003-6"

MARINESCU, B., Dr, Col, TEODORESCU, C., Dr, Lt-Col, MIHALACHE, Gh., Dr, Lt-Col, ANTON, M., Dr, Lt-Col, IACOMI, D., Pharmacist, Col, IONESCU, M., Pharmacist, Col, and MACARIE, O., Pharmacist, Lt-Col [affiliation not given]

Studies on the Lipid Spectrum of Plasma in Some Categories of Soldiers."

Bucharest, Revista Sanitara Militara, Vol 62, No 4, Jul-Aug 66, pp 683-690.

Abstract: The authors studied the plasma lipid spectrum of a group of 224 healthy soldiers, average age 32 years, divided into 3 groups according to age and diet pattern. They found that the average range of cholesterolemia in the age range 25 to 35 years is normally 150 to 200 milligram-percent, with values above 250 definitely abnormal. A direct causal relation was found between the percentage of lipid calorogenic tropines in the diet and changes in the lipid spectrum of the plasma.

Includes 4 tables, 4 figures and 17 references, of which 7 Rumanian, 4 French and 6 English-language. -- Manuscript submitted 18 November 1965.

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TEODORESCU, C

Procedee Industriale de Sudura. (Industrial Welding Methods.) By Cornel Mikhail and Constantin C. Teodorescu. Volumul I, Pp. 226. Volumul II, Pp. 377. With 673 illustrations. [Volumul III in preparation.] 1936. Bucuresti: Institutul Român de Energie. (Vol. I, Lei 300; Vol. II, Lei 300; Vol. III in preparation, Lei 300)

The first volume of this treatise on welding consists of a short review of the fundamental knowledge of metals and alloys. After a description of the constitutive elements of matter and definitions of the three physical states, the theory and analysis of crystals is explained, and definitions are given of polycrystalline metals, anisotropic forms of substances and of solid solutions, and of alloys. The mechanical properties of pure metals are then treated, those being

divided into two classes: plastic and brittle. The testing methods are sketched. Recrystallization, internal stresses, the effect of temperature and of speed of deformation on mechanical properties are explained, and data on the physical properties of pure metals are given. The characteristic types of binary alloys and the methods of their preparation are described. Short chapters deal with: chemical compounds of metals, gases in metals, segregation on a large scale, and piping. The physical properties of alloys and the effect of heat-treatment and impurities are then discussed.

The second volume deals with the technology of welding. A rational and a practical classification of the welding methods are deduced, the latter being adopted as the basis of the treatise. After a short chapter on the arc welding of metals, electric welding "by local heating" is dealt with, classified as: butt-welding (resistance, gas, and welding); spot-welding; seam welding. The major part of the volume is reserved for fusion welding. The physical properties of the gases used in oxy-acetylene welding—oxygen, acetylene, hydrogen, methane, butane, town's gas, and benzene—are discussed, and gas generators, safety-valves, gas-cylinders, reducing valves, welding-torches, and the arrangements of welding shops are dealt with. Finally, the welding methods are discussed. The electric arc is then treated as a source of heat for fusion-welding. An analysis of the production of the electric current for welding purposes, d.c. and a.c., is given, and the accessories and working methods are explained. Welding of wire and electrodes are then considered. The apparatus, alloys, and gases used for soldering and brazing are dealt with, and a full explanation is given of the metallurgical phenomena in fusion-welding of carbon steels. The welding of special steels, cast-iron, copper, nickel, aluminium, and magnesium and their alloys, and of lead and zinc is described. The rest of the volume deals with the calculation of costs, applications of fusion-welding, gas-cutting, and aluminio-thermic welding.

The third volume, which is in preparation, will deal with normalizing, the resistance of welded constructions, the control of welding, and accident-prevention.

The volumes are well produced on good paper. A useful feature of the series is a 48-page bibliography which is included in Volume I.

24

Teodorescu, C.

Teodorescu, C.; Ionescu, D.

Teodorescu, C.; PASREW, D. Study on the substitution of collective part for
by cast iron with regular profile in the manufacture of agricultural
machinery part. p. 41.

Vol. 1, no. 6, June 1956

INSTAURAREA SI CONSTRUCIA DE MASINI.

TECNOLOGIE

ROMANIA

See: East European Aecoster, Vol. 6, no. 5, May 1957

PATRUT, I.; POPESCU, M.; TEODORESCU, C.; MOLNAR, M.

Geology of Moesic Platform. Stratigraphy. Petrol si gaze 12 no.11:
481-493 N '61.

(Romania--Geology, Stratigraphic)

SIMIONESCU, N.; GOLDSTEIN, Maia; TEODORESCU, C.

Pineal gland autograft in growth cartilage in impuberal white rats.

Stud. cercet. endocr. 13 no.5:629-638 '62.

(PINEAL BODY) (TRANSPLANTATION) (CARTILAGE)

COSERU, E., Lt-Col, Dr, and TEODORESCU, C., Lt-Col, Dr [affiliation not given]

"Considerations on the Tonus and Position Changes in the Stomach Under the Condition of Exposure to Acceleration During Flight."

Bucharest, Revista Sanitara Militara, Vol 59, No 3, May-Jun 63, pp 487-490.

Abstract: A study of the etiopathogenic relations between digestive tract affections and conditions encountered during flight. Repeated exposure to acceleration under continuous and normal flight conditions does not lead to lasting changes in the tonus and position of the stomach, except when the flight program and food-hygiene measures are not upheld. The authors suggest that an adequate rest, work and nutrition program is all that is required for continuously flying personnel. Includes 2 figures.

1/1

TE 0108/26 500, C.
Bucuresti, Given Name

Country: Rumania

Academic Degrees: [not given]

Affiliation: -not given-

Source: Bucharest, Revista de Chimie, Vol 12, No 9, Sep 1961, pp 508-511.

Data: "Obtaining of Germanium Concentrate from the Ammoniacal Waters
in Coke Works."

Authors:

MOSCOVICI, A.

BAIAES, R.

~~GEORGESCU, D.~~

FRUCHTER, M.

GPO 781643

MOLDOVAN, I.; MOSCOVICI, Ana; Teodorescu, C.; GACIU, V.

Semi-industrial installation for manufacturing high-purity germanium. Rev chimie Min petr 15 no.8:510-513 Ag '64

LETU, N.; TEODORESCU, C.; DIJMARESCU, I. HIRIAL, C.; FAUR, Elvira

Study of the specific consumpt. of explosive at the
Barza mine. Rev min 14 no.12:550-556 D'63.

SEMICONDUCTOR, GERMANIUM, ZONE MELTING

ABSTRACT: A procedure is described for obtaining the high-purity germanium necessary in the manufacture of semiconductors for the electronics industry. The

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RUMANIA

FILCESCU, V., MD; TEODORESCU, C., MD.

Air Force Medical Center (Centrul medical al aviației),
Bucharest - (for both)

Bucharest, Viata Medicală, No. 1, January 1966, pp 39-44

"Some Physiological Aspects of Air Transport"

TEOLORELO, L. L. [De Lorena, L. L.], prof. emerit

Influence of variation of temperature on the strength of rails
with long welded rails. Rev Roum metalurgie et no. 21291-299 1964.

1. Polytechnic Institute, Bucharest.

TEODORFSCU, C.C., prof. emerit

Influence of temperature variations on continuously welded
rails. Studii cerc metalurgie 9 no.2:223-251 '64.

1. Polytechnic Institute, Bucharest.

18.3100

1087

27003

R/003/61/012/009/002/008
D019/D105

AUTHORS: Moscovici, Ana; Balaeş, Elena; Teodorescu, Caliopei and Fruchter, M.

TITLE: Extracting germanium concentrate from the ammonia liquor of coking plants

PERIODICAL: Revista de Chimie, v. 12, no. 9, 1961, 508-511

TEXT: The article describes experiments conducted on the precipitation of germanium with tannin from ammonia liquor. Precipitation was achieved by mixing 1-1.5 lit of ammonia liquor with a solution of 5% tannin and 17% FeCl_3 . The mixture was agitated for 10 minutes and decanted. After 24 hours, 3/4 of the total quantity was syphoned and analyzed to establish the quantity of non-precipitated germanium. A 90% precipitation yield at a concentration of the final solution below 0.1 g Ge/cu m was obtained by heating the solution to 80°C and simultaneously reducing the pH value to 2-2.5 and adding 50 g tannin/g Ge. Due to the very low percentage of germanium concentration in ammonia liquor, heating to 80°C and reducing the pH are no longer economical. Thus, a series of experiments have been conducted by varying the precipitation factors. The solutions used had an

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initial concentration of 14 kg NH_3 /cu m and 2.6 g Ge/cu m at pH 8. Precipitation

was carried out at 20°C, with 100 g tannin and 200 g Fe^{3+} per g of Ge, in a solution with pH 8. It was found that within the initial concentration of 0.17-2.6 g Ge/cu m, the efficiency of tannin, i.e. the precipitation yield, was practically constant, with the final solutions reaching a concentration of <0.1 g Ge/cu m. The precipitates contained ~ 200-300 g/t Ge, but after calcining the content increased to 600-700 g/t. The precipitation yield of germanium did not exceed 60% when 100-200 g tannin/g Ge were added. To determine the size of precipitation granules, two series of tests were carried out. One series of tests which was carried out by filtering a mixture of tannin and ammonia liquor with a no. 3 Gooch filter and filter paper, established the variation in size as dependent on time. After 120 hours of agitation, the total germanium was included in granules, the size of which exceeded 20 - 30 μ . The second series of tests was carried out by agitating the mixture of ammonia liquor and tannin for only 10 minutes, followed by decantation. After 72 hours the granules showed a yield of 65% while with continuous agitation for 72 hours the yield was ~ 80%. Coagulation and separation of particles took a little less time in case of con-

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tinuous agitation. By centrifugation for 15 minutes at 1,700 rpm, the result was similar to that achieved with 5 days of mechanical agitation or with over 7 days of decantation. The separation of germanium amounted to 80% in case of analysis of a clear solution obtained in a test tube by centrifugation, and to 98% when the solution was filtered prior to the analysis. Precipitation with tannin of germanium from ammonia liquor includes (a) partial coprecipitation of ferric ions and germanium in an alkaline medium and their immediate separation once the reaction has begun and (b) colloidal-type reaction of tannin with germanium, leading to the formation of insoluble compounds. Conclusions: (1) addition of 100 g of tannin and 200 g of iron/g Ge from ammonia liquor is sufficient; (2) a filter of particular fineness should be used in separating the precipitate; (3) solutions should be mixed as thoroughly as possible; (4) separation of ~ 70-80% of germanium may be achieved within 1-2 hours by mechanical agitation, followed by filtering through a 20-30- μ filter; (5) products containing tannin may be used instead of pure tannin and (6) the average composition of germanium precipitates obtained from ammonia liquor with a content of ~ 1 g/Ge cu m is: C, 16.7%, Pb, 0.021%, Cu, 0.01%, Zn, 0.95%, SiO₂, 0.39%, Al₂O₃, 2.02%, Fe, 15.3% and Ge, 0.02%. There are 4 figures, 3 tables and 6 references: 3 Soviet-

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bloc, 2 non-Soviet-bloc and 1 unidentified. The reference to the English-language publication reads as follows: S. Schweller and A. Powel: The Analysis of Mineral and Ores of the Rare Elements, London, 1955, p. 8.

Card 4/4

UNGUREANU, Ernest M.; ~~TEODORESCU~~, Constanta; UNGUREANU, Steliana;
PUSCASU, E.; ZAHARIA, Violeta

Studies on the resistance of Musca domestica L. to insecticides.
J. hyg. epidem. 7 no.2:252-256 '63.

1. Malaria Section, Institute of Hygiene, Iasi.
(HOUSEFLIES) (INSECTICIDES)

TEODORU, Corbelu, Ion.

Prevenirea...power engineering. St si Teh Buc 17 no.2:5, 10
F '65.

80877

8/105/60/000/06/15/023
B014/B011

9.3260

AUTHOR: Teodoresku, Dan, Engineer (Timișoara, Rumania)

TITLE: A Gyrotron With Controlled Grids

PERIODICAL: Elektrichestvo, 1960, No. 6, pp. 68-70

TEXT: The gyrotrons with uncontrolled grids invented by the author can be applied advantageously to the production of high-frequency currents with high amperage. In the present paper, a discussion is offered of the mode of operation of a gyrotron with controlled grids and some of their characteristics are dealt with. The mercury molecules in the central tank are kept in an excited state which is close below the ionization energy. The difference compared to other ion converters is in the space near the anode in that the molecules have a lower excitation in the grid-anode space than in the tank. Therefore, the molecules in the grid-anode space require more energy for ionization than those from the tank. In the case of the gyrotron, this energy is achieved by a bombardment of electrons moving under the action of the electromagnetic field. A local increase in amperage is caused by controlled grids. Fig. 1 shows a

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cross section and a circuit diagram of a gyrotron with controlled grids. The change-over of the arc from anode A to anode B (Fig. 2) occurs either if the molecules near B attain the ionization state or if the molecules in this space are in the excited state, if a control voltage is applied to the grid. The distance between the anodes bears a considerable influence upon the gyrotron operation. The gyrotron control takes place with positive pulses on the grids or also by applying a sinusoidal voltage to them. The latter mode of controlling, however, has certain drawbacks; still, it frequently suffices for practical requirements. A special circuit, connected with the secondary circuit of the transformer is required for the pulse control. Fig. 3 illustrates the dependence of the frequency on the induction of the outer magnetic field. Controlled and uncontrolled gyrotrons with six and with four anodes are compared among one another. On a change of the outer magnetic field, uncontrolled gyrotrons are found to exhibit a considerably greater change in frequency than controlled gyrotrons. A determined critical induction is required for the stability of the operation. Voltage and current of a gyrotron are finally dealt with (Figs. 5-8) and the construction of a gyrotron is discussed. The water-cooled tank is made of austenitic steel,

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the anodes are radially arranged. The starting anode is situated in the center of the tank. There are 8 figures and 2 non-Soviet references. ✓

SUBMITTED: September 18, 1959

Card 3/3

TEODORESCU, D.

An electronic machine for balancing very small rotors. p. 37

ELECTROTEHNICA. (Asociatia Stintifica a Inginerilor si Tehnicienilor din
România si Ministerul Energiei Electrice si Industrii Electrotehnice)
Bucuresti, Rumania, Vol. 7, No. 9, June 1959

Monthly list of East European Accessions (EEAI) LC Vol. 8, No. 9, ^{Sept.} 1959

Uncl.

TEODORESCU, D.

Electronic balancing machine with double compensation. Studii tehn
Timiscara 9 no.1/2:89-95 Ja-Je '62.

TEODORESKU, Dan [Teodorescu, D.], inzh. (Rumynskaya Narodnaya
Respublika)

New method for determining line defects in the cores of short-
circuited rotors. Vest. elektroprom. 34 no.7:52-54 J1 '63.
(MIRA 16:8)

TEODORESKU, Dan, inzh.

Calculation of the start condition of a servomotor-amplifier.
Elektrichestvo no.8:40-45 Ag '64.

(MIRA 17:11)

1. Zavod "Elektromotor", gorod Timishoara, Rumynskaya Narodnaya
Respublika.

TEODORESCU, Dan, ing., laureat al Premiului de stat

Controlling casting bars for rotors in short circuit.
St si Teh Buc 16 no. 5: 35-36 May '64.

TEODORESCU, D., ing.; VASILIU, Al., ing.; PIPERA, Georgeta, ing.

Fine grain mortars and concretes with furfural polymers.
Rev constr si mat constr 16 no. 6:315-320 Je '64.

COANDA, S., ing.; TEODORESCU, D. ing.

Causes of corrosion of reinforcing in autoclaved cellular concretes
and methods to protect them. Rev constr si mat constr 16 no.10:
540-547 0 '64.

SECHEL, Vasile, ing.; CAZACU, Iulian; MORARU, Nicolae, ing.; ACHIM, Stelian, ing.; MIHAI, Dumitru, ing.; ANDREI, I.; CURPAN, V.; BOT, Iosif; STROHLI, Ignat; LUPSE, O., ing.; PELICALA, Gh., ing.; TEODORESCU, Dumitru, ing.

Modern technological proceedings in mechanical engineering.
Probleme econ 18 no.1:154-163 Ja '65.

1. Technical Director, "Tractorul" Plant, Brasov (for Sechel).
2. Chief Planning Engineer, "Tractorul" Plant, Brasov (for Cazacu).
3. Technical Director, "Independenta" Plant, Sibiu (for Moraru).
4. Chief Technologist, "Independenta" Plant, Sibiu (for Achim).
5. Director. Colibasi Plant for Automobile Parts (for Mihai).
6. Director. Metallurgic Plant, Bacau (for Andrei).
7. Chief Engineer, Metallurgic Plant, Bacau (for Curpan).
8. Director, "Unirea" Metallurgic Plant, Cluj (for Bot).
9. Chief Engineer, "Unirea" Metallurgic Plant, Cluj (for Strohl).
10. Chief Metallurgist, "Unirea" Metallurgic Plant, Cluj (for Lupse).
11. Director, "Fercemail" Plant Technical and Sanitary Products and Installations, Ploiesti (for Pelicala).
12. Head of Technical Services, "Fercemail" Plant for Technical and Sanitary Products and Installations, Ploiesti (for Teodorescu).

NEGOITA, A.; LUCA, V.; TEODORESCU, D.

Laying polymer carpets on floors with a moist support stratum.
Bul stiint polit Cluj no.5:171-183 '62.

1. Institutul Politehnic Cluj (for Negoita). 2. Trustul
1 Constructii Bucuresti (for Luca). 3. Institutul de
cercetari in constructii si economia constructiilor
(for Teodorescu).

SOCOLESU, M., prof.; BUTUOESCU, N.; POPESCU, Th.; SAMOILA, I.;
TEODORESCU, D.; DRAGILA, M.

Contributions to the knowledge of stanniferous mineralizing in the
Baia Borsa, Burloia ore. Rev min 13 no.11:481-487 N '62.

TEODORESKU, D. [Teodorescu, D.], doktor (Rumynskaya Narodnaya Respublika)

Echinococcosis in forensic medicine. Khirurgiia 38 no.10:100-
103 0 '62. (MIRA 15:12)

(MEDICAL JURISPRUDENCE) (HYDATIDS)

TEODORESCU, Dorina, ing.; FODOR, Georgeta, ing.

Laboratory studies on the use of thermoelectric power station
ash for Rumanian road construction. Rev transport 10 no. 7:
311-316 J1 '63.

USSR/Human and Animal Physiology - The Nervous System.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13267

Author : Milku, Sht., M., Maksim-Bercha, I., Meykenesku-Angel,
M., Teodoresku, E., Cherban, S.

Inst : -
Title : Investigation of Higher Nervous Activity by Means of
Vascular Conditioned Reflexes in Cases of Insufficien-
cy of Male Sexual Glands before and after Testosterone
Therapy

Orig Pub : Probl. endokrinol. i gormonoterapii, 1957, 3, No 3,
3 - 17

Abstract : Vascular conditioned reflexes (CR) were studied before
and after therapy with large doses of testosterone
(700 - 900 mg to a course) in males afflicted with
sexual insufficiency of endocrine origin. A pronoun-
ced orientation reaction and chaotic vascular reactions
were observed. Before treatment there was a gradual

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- 127 -

SANIELEVICI, H.; SPILIADIS, A.; TEODORESCU, E.

A new method in alkaline melting for the preparation of
1,5-dihydroxynaphthalene. Rev chimie Min per 13 no.2:88-90
F '62.

STOENESCU, V.; TEODORESCU, El.; VOICU, Gh.

Evaporation on the lake surfaces in Rumania. Studii hidrol
5:73-167 '63.

L 13054-66 EWA(J)/T/EWA(b)-2 JK

ACC NR: AP6005733

SOURCE CODE: RU/0023/65/01C/001/0077/0082

AUTHOR: Pirvu, D. (Doctor); Torjescu, V.--Torzhesku, V. (Doctor); Ceausu, E.--
Chaushu, Ye. (Doctor); Teodorescu, E.--Teodoresku, G. (Doctor); Paraschiv, D. --
Paraskiv, D. (Doctor); Calota, M.--Kalote, M. (Engineer; Chemist)

ORG: City Hospital, Turnu Severin (Spitalul orasenesc)

TITLE: Changes of some serum enzymes in anicteric epidemic hepatitis in children

SOURCE: Microbiologia, parazitologia, epidemiologia, v. 10, no. 1, 1965, 77-82

TOPIC TAGS: enzyme, serum, biochemistry, hepatitis, epidemiology, nervous system disease, infant disease

ABSTRACT: The authors report on a dynamic, serologic and biochemical study of a group of 66 children with neuropsychic diseases where epidemic hepatitis cases occurred. They found that one third of the patients displayed subclinical anicteric forms. The dynamic enzyme survey was useful in detecting new hepatitis forms and in following up newly detected cases. Orig. art. has: 1 figure and 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 09Jul64 / ORIG REF: 009 / OTH REF: 011

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UDC: 616.36-002.12-053.2:616.153.1

TEODORESCU, E. M.

RUMANIA/Human and Animal Physiology - The Nervous System.

V-8

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18591

Author : St.-M. Milcu, I. Maxim-Bercea, M. Maicanescu-Anghel,
Em. Teodorescu and S. Gerban

Inst :

Title : Examination of Higher Nervous Activity in the Presence of
Testicular Insufficiency by Means of Conditioned Vascular
Responses before and after Testosterone Therapy.

Orig Pub : Studii si cercetari endocrinol. Acad. RPR. 1956, 7, No 3,
271-285

Abstract : In five patients conditioned vascular responses were secu-
red independently of testosterone. Prior to therapy secu-
red and reinforced conditioned responses, as well as the
unconditioned response were easily inhibited (irradiation
of defensive inhibition for food). After therapy a pro-
gressive increase was observed in the intensity of unrein-
forced conditioned responses. The greater intensity of

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RUMANIA/Human and Animal Physiology - The Nervous System.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18591

conditioned responses in comparison with unconditioned
responses is connected with a negative induction from cor-
tex to subcortical levels. In the weak type of male with
testicular hypofunction testosterone therapy gives rise to
changes in higher nervous activity corresponding to that
manifested in the strong subject.

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TEODORESCU, E.

MILKU, Sh.M. [Milcu, S.M.] (Bucharest); MAKSIM-BERCHA, I. [Maxim-Berga, I.] (Bucharest); MEYKENESCU-ANGEL, M. [Meikenescu-Angel, M.] (Bucharest); TEODORESCU, E. [Theodorescu, M.] (Bucharest); CHERBAN, S. (Bucharest)

Studies on the higher nervous activity using conditioned vascular reflexes in cases of insufficiency of male gonads before and after testosterone therapy [with summary in English, p.124]. Probl.endok. i gorm. 3 no.3:3-17 My-Je '57. (MIRA 10:10)

(TESTES, diseases,

agenesis, testosterone ther., conditioned vasc. reflexes before & after ther. (Rus))

(TESTOSTERONE, therapeutic use,

testicular agenesis, conditioned vasc. reflexes before & after ther. (Rus))

(REFLEX, CONDITIONED,

conditioned vasc. reactions before & after testosterone ther. of testicular agenesis as index of higher nervous activity (Rus))

WOLFSHAUT, C.; TEODORESCU, Em.; RUSS, M.

On 2 cases of diencephalic disorders associated with phenomena of
premature aging. Stud. cercet. endocr. 13 no.3:433-435 '62.
(DIENCEPHALON diseases) (AGING)
(NEURASTHENIA complications)

TEODORESCU, Em.

Male sterility and its treatment. Stud. cercet. endocr. 14 no.1:
9-23 '63.

(STERILITY, MALE)

TEODORU, M.; TEODORESCU, Em.; MAXIMILIAN, C.; ILIESCU, Ileana

Research on disorders of sexual dynamics of men. Stud. cercet.
endocr. 15 no.4:341-346 '64.

PIRWU, D., dr.; TORJESCU, V., dr.; CEAUSU, E., dr.; TEODORESCU, E., dr.;
PARASCHIV, D., dr.; CALOTA, M., ing. chimist.

Changes in some serum enzymes in anicteric epidemic hepatitis
in children. Microbiologia (Bucur) 10 no.1:77-82 Ja-P'65.

1. Lucrare efectuata in Spitalul orasenesc, Turnu Severin.

TEODORESCU, Gabriela

Contributions to the integration of elasticity equations.
Studii cerc mat 17 no.1:83-93 '65.

1. Submitted July 21, 1964.

OLARU, A.; BITTNER, Zh.; TEODORESKU, G. [Teodorescu, G.]; FYCHIU, S.
[Ficiu, S.]

Study of the toxin formation of *Cl. perfringens* on a medium prepared
by the hydrolysis of casein and fish bone meal with proteases from
the fungus *Aspergillus terricola*. Zhur. mikrobiol. epid. i immun.
(MIRA 13:12)
/31 no. 10:85-89 0 '60.

1. Iz Instituta mikrobiologii, parazitologii i epidemiologii imeni
Kantakuzino, Bukharest.
(*CLOSTRIDIUM PERFRINGENS*) (*ASPERGILLUS*)
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

GEORGESCU, M. - Reviewer: STAVRI, D., and TEDDORSCU G. - Authors. -
SURNAME, Given Names

Country: Rumania

Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol VI,
No 4, Jul-Aug 1961, pp 375-376.

Data: "Culture Media in Medical Bacteriology," -a review of the authors'
Mediile de cultura in bacteriologia medicala (Bucharest, 1960).

270 731643

TEODORESCU, Gh. (R.)

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol VI,
No 5, Sep-Oct 1961, pp 425-430.

Data: "On the Regional Epidemiology of Tetanus."

Authors:

BACILA, E., -Dr.-
CIOCIRLIE, C., -Dr.-
IAVOROVSKI, V., -Dr.-
TEODORESCU, Gh., -Dr.-
MARGINEANU, T., -Dr.-

BRUCKNER, Silvia, conf.; TEODORESCU, Tatiana, dr.; IOANESI, Iulia, dr.;
TEODORESCU, G., dr.; CONSTANTINESCU, S., dr.; COTARCEA, S., dr.;
ISBASESCU, C., chimiste; GARIBALDI, A.

The role of bacterial superinfection in the evolution of epidemic
hepatitis. Med. intern. 14 no.4:423-432 Ap '62.

1. Lucrare efectuata in Clinica de boli infectioase nr. 1, I.M.F.
(director: prof. M. Voiculescu).

(HEPATITIS, INFECTIOUS) (STAPHYLOCOCCAL INFECTIONS)
(STREPTOCOCCAL INFECTIONS) (PNEUMONIA) (OTITIS MEDIA)

RUMANIA

TOPCIU, Aurica, Dr, TEODORSCU, G., Chemist and DRAGHICI, M., Technician. Work performed at the Section of the Microbe Physiology (Sectia de Fiziologie Microbiana) and the Pathogenic Cocci Section (Sectia Coci Patogeni) of the "Dr. I Cantacuzino" Institute (Institutul Dr. I. Cantacuzino"), Bucharest.

"A New Medium for the Cultivation of Meningococci."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 1, Jan-Feb 1963, pp 91-94.

Abstract: Describes the materials and methods used for the preparation of a new culture medium for meningococci that also proved useful for the isolation of strains. It contains corn, glucose and agar extracts and, for more difficultly cultivable strains such as type I (628), type A Pasteur (52,136) and type A Pasteur (52,137), defibrinated sheep's blood. It is easily prepared and 20 times cheaper than the media used so far. Includes 1 table and 10 references.